INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000371

Α. (CLASSIFICATION OF SUBJECT MATTER						
Int. Cl. 7:	B81B 7/00, 1/00; B01D 61/42						
According to I	nternational Patent Classification (IPC) or to both n	ational classification and IPC					
В.	FIELDS SEARCHED						
Minimum docur	nentation searched (classification system followed by class	ssification symbols)					
	searched other than minimum documentation to the exten						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT, INSPEC keywords: actuat; electroosmo, electric double layer, EDL, electrokinetic; piston, plunger; micro, nano, miniatur; fluid, liquid, electroly; pressure, force, push; electric field; IPC: B81B/-, B01D61/42							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant to claim No.				
X	US 6537437 B1 (GALAMBOS et al.) 25 Ma Column 15 line 28 – column 17 line 39; Figs.		1-2, 9, 11, 14-17, 24, 26, 29				
A	US 6277257 B1 (PAUL et al.) 21 August 2001 Whole document, in particular, column 4 lines 45-49						
Р, А	LASER D J and SANTIAGO J G, A review of Micromechanics and Microengineering, vol. published 19 April 2004 See pages R54-R56	of micropumps, Journal of 14 (2004), no. 6, pp. R35-R64,					
Fi	urther documents are listed in the continuation	of Box C X See patent family	annex				
"A" documen	"A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory						
"E" earlier ag	international filing date or cannot be considered to involve an inventive step when the document is taken						
alone "L" document which may throw doubts on priority claim(s) "Y" document of particular relevance; the claimed invention cannot be considered involve an inventive step when the document is combined with one or more of another citation or other special reason (as specified) alone document of particular relevance; the claimed invention cannot be considered involve an inventive step when the document is combined with one or more of such documents, such combination being obvious to a person skilled in the art							
or other i	means It published prior to the international filing date	cument member of the same patent family					
			rt, 2 FEB 2005				
· · · · · · · · · · · · · · · · · · ·	27 January 2005 Name and mailing address of the ISA/AU Authorized officer						
AUSTRALIAN PO BOX 200, V	PATENT OFFICE WODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au	JULIA HU					
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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
US	6537437	US	6797187					
US	6277257	AU	33783/00	EP	1169573	US	6013164	
		US	6019882	US	6224728	US	6572749	
		WO	0055502			nga jernakhisan kahishisan anga pagapaga paga paga paga paga pag		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX